



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### ILLINOIS, Northwest

#### Stephenson County

<b>Freeport</b>	18	1415CST			0	0	1K		<b>Thunderstorm Wind (G56)</b>
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Several trees were blown down and vents were ripped off a tire store after straight line thunderstorm winds up to 65 mph rushed across the county.

#### Rock Island County

<b>East Moline to Silvis</b>	18	1600CST 1611CST			0	0			<b>Hail (1.75)</b>
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Severe thunderstorms resulted in numerous reports of hail across Northern Rock Island County. Hail sizes ranged from three quarters of an inch in Silvis to one and three fourth inches in East Moline.

#### Mercer County

<b>.5 NW Seaton to 2 SE Aledo</b>	18	1610CST 1620CST	6	880	0	0	110K		<b>Tornado (F2)</b>
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The tornado damaged several rural home sites. Northeast of Seaton damage was noted to farm buildings and a silo. South of Aledo seven power lines poles were snapped, and a farmhouse 4 miles west of Aledo was destroyed. The tornado also damaged or destroyed farm buildings, roofs and chimneys south of Aledo.

#### Henry County

<b>Colona</b>	18	1615CST 1630CST			0	0			<b>Thunderstorm Wind (G78)</b>
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A squall line roared across the community producing substantial wind damage from strong straight line winds 70 to 90 mph. The damage path width was about 3/4 mile wide, however, no injuries were reported.

#### Henry County

<b>Colona to Green Rock</b>	18	1617CST 1624CST			0	0			<b>Hail (1.00)</b>
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#### Rock Island County

<b>Milan</b>	18	1625CST			0	0			<b>Hail (3.00)</b>
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#### Warren County

<b>Smithshire</b>	18	1630CST	0.1	.5	0	0	0		<b>Tornado (F0)</b>
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Brief tornado touchdown resulted in no apparent damage.

#### Rock Island County

<b>Barstow</b>	18	1640CST 1705CST			0	0			<b>Hail (1.00)</b>
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Hail fell for 25 minutes at Barstow.

#### Jo Daviess County

<b>Galena to Stockton</b>	18	1645CST 1700CST			0	0	3K		<b>Thunderstorm Wind</b>
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Numerous trees were downed by strong thunderstorm winds from Galena to Stockton.

#### Jo Daviess County

<b>East Dubuque</b>	18	1650CST			0	0			<b>Hail (1.75)</b>
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#### McDonough County

<b>Blandinsville to Bushnell</b>	18	1655CST 1720CST			0	0	1.2K		<b>Thunderstorm Wind</b>
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Numerous trees and power lines were downed in Blandinsville, Macomb, and Bushnell after strong thunderstorms roared across the county.

#### Carroll County

<b>2 E Milledgeville</b>	18	1700CST			0	0	0.50K		<b>Thunderstorm Wind</b>
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Strong thunderstorm winds downed several trees.

#### Stephenson County

<b>Pearl City to Freeport</b>	18	1705CST 1720CST			0	0			<b>Hail (1.00)</b>
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### ILLINOIS, Northwest

<b>Carroll County</b> <b>Thomson</b>	18	1715CST			0	0			<b>Hail (1.00)</b>
<b>Bureau County</b> <b>Manlius</b>	18	1730CST	0.1	.5	0	0	0		<b>Tornado (F0)</b> Brief tornado touchdown resulted in no reported damage.
<b>Bureau County</b> <b>2 W Princeton to Princeton</b>	18	1740CST 1750CST			0	0			<b>Hail (1.75)</b> A strong thunderstorm dropped hail ranging in size from one inch to one and three fourth inches near Princeton.
<b>Jo Daviess County</b> <b>Elizabeth</b>	25	1820CST			0	0			<b>Hail (0.75)</b>
<b>Jo Daviess County</b> <b>Stockton</b>	25	1843CST			0	0			<b>Hail (0.75)</b>
<b>Jo Daviess County</b> <b>Galena</b>	28	0100CST			0	0	1K		<b>Thunderstorm Wind</b> Several large tree limbs were blown down.
<b>Whiteside County</b> <b>Albany to Fulton</b>	28	0115CST			0	0	4K		<b>Thunderstorm Wind</b> Power was out across Western Whiteside County after strong thunderstorm winds downed trees and damaged a power transformer.
<b>Carroll County</b> <b>Mt Carroll to Lanark</b>	28	0120CST 0130CST			0	0	5K		<b>Thunderstorm Wind (G65)</b> Branches were broken and large trees were uprooted by strong thunderstorm winds across Carroll County during the early morning hours. At Lake Carroll a large oak tree smashed through the patio door of a home and some of the branches punched through the roof on the garage. Another large tree damaged a home in Lanark and crushed a swing set.
<b>Carroll County</b> <b>Savanna</b>	28	0128CST			0	0	0.50K		<b>Thunderstorm Wind</b> High winds toppled trees causing minor property damage.
<b>Carroll County</b> <b>Shannon</b>	28	0130CST			0	2	8K		<b>Thunderstorm Wind</b> High winds blew down trees and power lines, and ripped the roof off of a small building. Two people were injured after they were hit by debris.
<b>Rock Island County</b> <b>Countywide</b>	28	0130CST			0	0	5K		<b>Thunderstorm Wind</b> Thunderstorm winds racing across the county downed numerous trees and limbs.
<b>Whiteside County</b> <b>Erie</b>	28	0130CST			0	0			<b>Thunderstorm Wind (G78)</b>
<b>Stephenson County</b> <b>Pearl City to Lena</b>	28	0135CST 0137CST			0	0	1K		<b>Thunderstorm Wind</b> Trees and power lines were downed between Pearl City and Lena after thunderstorms roared across the county.
<b>Bureau County</b> <b>Princeton</b>	28	0215CST			0	0	2K		<b>Thunderstorm Wind</b> Strong thunderstorm winds knocked down trees and power lines.



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Killed	Injured										

### ILLINOIS, Northwest

#### **Putnam County Countywide**

28      0315CST  
0330CST      0      0      10K      Thunderstorm Wind

Widespread damage was reported across the county after thunderstorm winds downed trees and power lines. The cities of Hennepin, Granville, and Standard suffered power outages. And numerous trees were blown down in Mc Nabb, Mark, and Magnolia.

#### **Bureau County 3 NE Wyand**

28      0100CST      0      0      0.50K      Thunderstorm Wind

#### **Mercer County Countywide**

29      1422CST  
1530CST      0      0      Thunderstorm Wind (G56)

#### **Rock Island County Countywide**

29      1426CST  
1530CST      0      0      Thunderstorm Wind (G52)

#### **Henderson County Countywide**

29      1430CST  
1550CST      0      0      Thunderstorm Wind (G74)

#### **McDonough County Countywide**

29      1430CST  
1600CST      0      0      Thunderstorm Wind (G70)

#### **Henry County Countywide**

29      1440CST  
1550CST      0      0      Thunderstorm Wind (G52)

#### **Mercer County New Boston**

29      1440CST      1      2      0      0      5K      Tornado (F1)

#### **Warren County Countywide**

29      1440CST  
1545CST      0      0      Thunderstorm Wind (G78)

#### **Hancock County Countywide**

29      1445CST  
1550CST      0      0      Thunderstorm Wind (G52)

#### **McDonough County 3 S Blandinsville**

29      1445CST      0      0      Thunderstorm Wind (G95)

#### **Warren County 8 E Roseville**

29      1508CST      1      2      0      0      2K      Tornado (F0)

#### **McDonough County Macomb**

29      1516CST      0      0      Thunderstorm Wind (G76)

#### **Henderson County 3 W Bald Bluff**

29      1535CST      1      100      0      0      15K      Tornado (F1)

#### **Bureau County Countywide**

29      1548CST  
1600CST      0      0      Thunderstorm Wind (G70)

#### **Putnam County Countywide**

29      1555CST  
1645CST      0      0      Thunderstorm Wind (G52)

#### **Hancock County Hamilton**

29      1715CST      0      0      Hail (1.00)

Supercell thunderstorms over Iowa intensified into a squall line which moved southeastward causing widespread damage across Eastern Iowa into Western Illinois. In Western Illinois the storms spun up at least three non-supercell tornadoes near New Boston, Keithsburg and Roseville. However, the majority of damage was caused by 60 to greater than 100 mph straightline winds. The strong winds flattened farm fields, damaged roofs, and blew over semitrailers. Numerous trees and power lines downed by the storm resulted in power and telephone outages lasting from a few hours, to several days at the most seriously damaged locations. In Hancock and Henderson counties 30 electrical poles were broken. Illinois utility companies reported that more than 58,000 homes and businesses were affected by outages. Some very large trees at Oquawaka and near the Big River State Forest



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### ILLINOIS, Northwest

were uprooted by winds estimated at 90 mph. Damage was heavy to homes, trees and outbuildings in Keithsburg, Blandinsville, Woodhull, Cordova, Little York, Macomb, Good Hope, Colchester, Wyanet, Spring Valley, Hennepin, and Hamilton. The Mercer County Fairgrounds at Aledo also reported heavy damage.

### IOWA, East Central and Southeast

#### **Linn County**

##### **Cedar Rapids**

**12 1905CST 0 0 1K Thunderstorm Wind**

Gusty thunderstorm winds downed trees and knocked out power in sections of Cedar Rapids. The outages affected 1,700 homes.

#### **Linn County**

##### **1 E Cedar Rapids**

**14 1800CST 0 0 2K Urban/Sml Stream Flo**

**1900CST**

Over three inches of rain falling on saturated ground resulted in flooding at the Indian Creek Nature Center. Flood waters washed out portions of the 7.2 mile Sac and Fox trail, and hundreds of ground nesting birds and animals were drowned in their nests.

#### **Buchanan County**

##### **Jesup to Lamont**

**18 1430CST 20 25 0 0 800K Tornado (F2)**

**1445CST**

A farm south of Jesup sustained massive damage from a tornado and severe thunderstorm winds which passed across Buchanan County. Most of the out buildings were damaged or destroyed and every tree on the farm was lost. A double car garage was blown into a cornfield, the tool shed was pushed off its foundation, gas barrels were gone, and a Morton Building was destroyed. There was also serious damage to the barn roof. In the home glass was driven into the woodwork. Closet doors and the access door to the attic were blown off, and attic insulation was driven down into the house. At another farm three grain wagons were lifted off the ground. One landed vertically across the road in a ditch and another landed in a ditch near the farmhouse. Shingles and shutters were blown off this house, and 60 feet of roof was torn off the cattle shed. At the Cedar Crest and St Athanasius Cemeteries east of Jesup 46 trees were destroyed.

#### **Buchanan County**

##### **Brandon to Winthrop**

**18 1440CST 15 10 0 0 35K Tornado (F1)**

**1450CST**

Several farms sustained damage from a tornado and strong thunderstorm winds topping 75 miles an hour. Near Winthrop a grain bin, barn, and machine shed were destroyed. A man was inside the barn during the storm, but was uninjured when the barn collapsed.

#### **Buchanan County**

##### **Countywide**

**18 1440CST 0 0 1.8M Thunderstorm Wind**

Severe thunderstorms blasted Buchanan county with 75 to 80 mph straight-line winds. Widespread damage was reported across the county. Three homes were completely destroyed, 75 farmsteads sustained \$500 to \$10,000 damage, 50 farmsteads had damage in the \$10,000 to \$100,000 range and 25 farmsteads sustained damages totaling \$100,000 to \$150,000. These figures included damage to hog houses, barns, grain bins and sheds, and also farm equipment damaged by the storm. Numerous large trees were destroyed including 46 trees at Cedar Crest Cemetery.

#### **Buchanan County**

##### **Fairbank**

**18 1458CST 0 0 Thunderstorm Wind (G52)**

#### **Benton County**

##### **2 N Vinton to 3 S Vinton**

**18 1500CST 0 0 1K Tstm Wind/Hail**

**1505CST**



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Killed	Injured										

### IOWA, East Central and Southeast

Power was knocked out at Virginia Fay Hospital in Vinton after several large trees were blown down by strong thunderstorm winds. To the East of Vinton large doors were blown off a barn and a heavy wooden playset was blown over.

<b>Buchanan County</b> <b>1 E Otterville to Independence</b>	<b>18</b>	<b>1500CST</b>			<b>0</b>	<b>0</b>				<b>Thunderstorm Wind (G61)</b>
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Trees and limbs downed by strong winds.

<b>Benton County</b> <b>Shellsburg</b>	<b>18</b>	<b>1505CST</b>			<b>0</b>	<b>0</b>				<b>Hail (1.75)</b>
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<b>Linn County</b> <b>Lisbon</b>	<b>18</b>	<b>1540CST</b>	<b>0.1</b>	<b>.2</b>	<b>0</b>	<b>0</b>				<b>Tornado (F0)</b>
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<b>Cedar County</b> <b>2 W Mechanicsville</b>	<b>18</b>	<b>1541CST</b>	<b>0.1</b>	<b>.2</b>	<b>0</b>	<b>0</b>				<b>Tornado (F0)</b>
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<b>Van Buren County</b> <b>Countywide</b>	<b>18</b>	<b>1510CST 1600CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>			<b>Thunderstorm Wind</b>
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Thunderstorms roared through Van Buren County leaving a trail of destruction. Numerous trees were downed across the county including 20 trees, valued at \$4000, at Harmony Middle School in Farmington. Also in Farmington, the roof at Harmony High School was damaged, a light fixture at the front of the building was broken, and high winds blew down the outfield fence of the baseball field. A large maple tree, uprooted by the winds, fell against the corner of a home in Farmington causing major damage to the roof and eaves. A bar and an adjacent building were closed due to possible structural damage after windows were blown out of the buildings. At least 14 power lines were downed across the Farmington area, and a large machine shed was destroyed by the thunderstorms. In Mt. Sterling an aluminum building blown onto a road knocked down a power line. A funnel cloud was reported near Douds along with damages reports of downed trees or power lines in Douds, Bonaparte, Cantril, Milton, Stockport and Mt Sterling.

<b>Delaware County</b> <b>Countywide</b>	<b>18</b>	<b>1515CST 1545CST</b>			<b>0</b>	<b>0</b>				<b>Thunderstorm Wind (G52)</b>
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Strong thunderstorm winds with gusts up to 60 mph downed trees and power lines across the county.

<b>Delaware County</b> <b>2 N Dundee</b>	<b>18</b>	<b>1515CST</b>			<b>0</b>	<b>0</b>	<b>2.5K</b>			<b>Thunderstorm Wind</b>
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Strong thunderstorm winds uprooted, shattered and splintered nearly two acres of trees at Backbone State Park. Between 50 and 100 oaks, maples, and basswood trees were destroyed. Campgrounds were also damaged by the high winds and one tent was flattened by a falling tree. No injuries were reported to the occupants of the tent. They sought shelter in a campground shower house before the tree fell.

<b>Delaware County</b> <b>Manchester</b>	<b>18</b>	<b>1515CST 1530CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>			<b>Thunderstorm Wind</b>
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Buildings were damaged by strong thunderstorm winds.

<b>Iowa County</b> <b>West Amana</b>	<b>18</b>	<b>1520CST</b>			<b>0</b>	<b>0</b>				<b>Hail (1.00)</b>
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<b>Jefferson County</b> <b>Countywide</b>	<b>18</b>	<b>1520CST 1600CST</b>			<b>0</b>	<b>0</b>	<b>15K</b>			<b>Thunderstorm Wind</b>
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### IOWA, East Central and Southeast

High winds from strong thunderstorms buffeted Jefferson County, causing damage to Fairfield and surrounding areas. The wind measuring equipment at Fairfield Flying Service, and a large sign at Fesler Auto Mall were destroyed by thunderstorm winds. Northwestern and western parts of Fairfield suffered the substantial property damage. A roof was blown off the GTE warehouse and a section of roof was ripped off Winfrey Storage. Numerous trees were blown down. One maple fell on a vacant house and another fallen tree destroyed a gas meter, broke windows and damaged eaves on another home. Streets around the area were blocked until the gas leak was repaired. A motorist driving a pickup had a brush with death when a large ash tree fell and part of the tree hit the truck's bed and dented the sidewalls. Another tree dropped on a four wheel drive Scout and boat. South of Fairfield a horse barn on Middle Glasgow Road was destroyed and a double car garage on Glasgow Road was blown down. High winds also flattened a grain storage bin near Libertyville.

#### **Johnson County Oxford**

18	1520CST				0	0	0.20K		<b>Hail (1.75)</b>
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Windshields were broken by golf ball size hail.

#### **Linn County Coggon**

18	1520CST				0	0	14K		<b>Hail (2.00)</b>
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There were numerous reports of damage caused by the hail.

#### **Delaware County Hopkinton to 1 NE Hopkinton**

18	1530CST				0	0	8K		<b>Hail (4.50)</b>
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Large hail fell through the roof of a home causing extensive damage.

#### **Johnson County Coralville**

18	1530CST				0	0			<b>Hail (1.75)</b>
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#### **Johnson County Iowa City**

18	1530CST 1547CST				0	0			<b>Hail (2.75)</b>
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Baseball size hail falling for more than 15 minutes caused widespread damage to homes and vehicles across the Iowa City area. Numerous windshields were broken and vehicles dented. Several reports of hail breaking through fiberglass awnings and lightweight shelters were also received.

#### **Linn County Cedar Rapids**

18	1530CST				0	1			<b>Thunderstorm Wind (G56)</b>
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A line of fast moving thunderstorms downed numerous tree limbs and power lines across Cedar Rapids leaving 12,000 customers of Alliant-IES Utilities without power. Wind peeled the outer membrane from a roof of a business allowing water to soak the suspended-ceiling tiles. The waterlogged tiles then gave way damaging portions of the carpet, but missing showcases and merchandise. One man was injured when strong winds lifted then flattened the large beer tent he was in at Hiawatha's Hog Wild Days.

#### **Dubuque County Countywide**

18	1533CST 1615CST				0	0	100K		<b>Thunderstorm Wind</b>
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### IOWA, East Central and Southeast

Strong thunderstorm winds downed trees and power lines across the tri-state area of Northeast Iowa, Northern Illinois, and Southwest Wisconsin. Approximately 2000 customers of Alliant Utilities lost power during the storm.

In the city of Dubuque numerous trees blocked streets with one tree falling on a pickup truck. At Sacred Heart Church the wind broke the face of the steeple clock, and at Loras College damage was sustained when lightning struck the boiler smokestack in the maintenance building. There was some basement flooding in the Loras College fieldhouse. Also in Dubuque, the roof was ripped off the Harbor Place Mall leaving 2 to 3 inches of standing water in the building, and another \$5000 worth of damage was reported at the airport when strong gusts peeled panels off a hanger roof. Near Worthington a roof was blown off a large barn and seven other farm buildings were damaged by strong winds. Northeast of Luxemburg a farm received substantial damage when thunderstorm winds damaged a hog building, cattle shed, and several other farmsheds. One shed, used for storing vehicles and farm equipment, was ripped apart resulting in major damage to the vehicles inside the shed. The family home also sustained minor damage.

#### **Henry County Countywide**

18	1540CST 1600CST		0	0		<b>Thunderstorm Wind (G52)</b>
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A storm system blasting across Southeast Iowa produced 60 mph thunderstorm winds and dumped 1 to 2 inches of heavy rain across central Henry County. Damage caused by falling trees and lightning resulted in power outages across 10 counties served by Southeast Iowa Rural Electric Cooperative. On U.S. highway 218 near Salem a semi was blown over by the high winds and in Geode State Park a camper trailer was blown over.

#### **Jones County**

##### **Anamosa**

18	1540CST 1545CST		0	0	16K	<b>Thunderstorm Wind</b>
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#### **Dubuque County**

##### **Farley**

18	1550CST		0	0	<b>Hail (0.75)</b>
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#### **Dubuque County**

##### **Worthington**

18	1550CST 1600CST		0	0	<b>Hail (0.75)</b>
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#### **Lee County**

##### **Ft Madison**

18	1550CST 1620CST		0	0	20K	<b>Thunderstorm Wind</b>
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City residents and businesses were left without electricity after strong thunderstorms raced across Lee county. Numerous trees and power lines downed by the storm blocked streets and caused damage in Fort Madison. Several vehicles were smashed by fallen trees and branches, and 911 dispatchers had difficulty routing calls due to power problems. Heavy rains associated with the thunderstorms also resulted in minor street flooding between 21st Street and 26th Street in Fort Madison. A major historical landmark was destroyed when winds blew off the roof then caused walls to collapse at the old Fort Madison depot. This building had been recognized as the oldest surviving railway station in the State of Iowa. High winds toppled two fifteen foot steeples at the historic St Mary's Church. Major damage was sustained to the copper roof and gutters, and water leaking through the damaged roof caused additional damage to restrooms inside the church.

#### **Cedar County**

##### **.5 S Rochester**

18	1600CST		0	0	<b>Hail (1.00)</b>
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#### **Dubuque County**

##### **Peosta**

18	1600CST 1610CST		0	0	<b>Hail (1.00)</b>
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### IOWA, East Central and Southeast

#### Louisa County

.2 SW Oakville to .5 NE Oakville	18	1600CST 1610CST	1	100	0	1	180K	Tornado (F1)
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Two homes were destroyed and trees were uprooted when a tornado touched down near Oakville. One minor injury was reported when the tornado rolled and damaged a mobile home. Twelve other residences sustained \$130,000 in damages. Besides the two homes which were destroyed, two others were moved off their foundations. Roofs were torn off, and four garages were demolished.

#### Jones County

3 N Oxford Jct	18	1605CST			0	0		Hail (1.75)
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#### Louisa County

2 SE Grandview	18	1610CST	0.1	.5	0	0	2K	Tornado (F0)
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A brief tornado touchdown resulted in tree and roof damage and a missing boat at a home near Grandview.

#### Clinton County

Clinton	18	1615CST			0	0		Hail (0.75)
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#### Des Moines County

Burlington	18	1615CST 1640CST			0	0		Thunderstorm Wind (G54)
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About 5000 utility customers were without power after thunderstorms roared across Des Moines County. Several parked cars were damaged after strong winds blew out windows of buildings in the 300 block of Valley Street. Across Burlington numerous reports of downed trees were received, and the main outdoor stage at the Burlington Steamboat Days was damaged after a large scaffolding fell on top of the sound mixer.

#### Benton County

Van Horne	18	1620CST			0	0		Hail (1.75)
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#### Jackson County

2 NW Maquoketa	18	1630CST			0	0		Hail (1.00)
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#### Linn County

Mt Vernon	18	1630CST			0	0	5K	Thunderstorm Wind
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A new grain bin and several older farm buildings were damaged by strong winds.

#### Muscatine County

Muscatine	18	1630CST			0	0		Hail (1.75)
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#### Scott County

Davenport to Bettendorf	18	1630CST 1650CST			0	0		Tstm Wind/Hail
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High winds, rain, and hail whipped through Eastern Scott County leaving widespread damage. A wind gust of 80 mph was measured on the east side of Davenport and reports of one inch diameter hail were also received. Numerous trees and limbs were downed by the storm causing power outages to nearly 31,000 customers of MidAmerican Energy Company.

#### Scott County

1 SW Walcott	18	1630CST			0	0	8K	Thunderstorm Wind
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Strong thunderstorm winds toppled trees in the Walcott area. One large maple tree smashed a corn crib full of soybeans. About 3,000 bushels of beans were spilled and a farm wagon on the lower level of the corn crib was crushed by the falling building.

#### Dubuque County

Farley to Dyersville	18	1632CST			0	0		Hail (1.00)
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#### Jackson County

2 N La Motte	18	1640CST			0	0	100K	Thunderstorm Wind
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# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Property		Crops	Character of Storm
					Killed	Injured					

### IOWA, East Central and Southeast

Strong thunderstorm winds destroyed a dairy barn and ripped the roof off another barn in Northeastern Jackson county. One home was destroyed as strong winds drove barn beams through the walls, shattered glass and spread dirt and debris inside the home.

#### Dubuque County

Graf to  
Dubuque

18

1655CST  
1700CST

0

0

Hail (0.75)

#### Linn County

Fairfax

18

1700CST

0

0

Thunderstorm Wind (G65)

Widespread tree damage was reported due to strong thunderstorm winds.

#### Buchanan County

Winthrop

24

0100CST

0

0

30K

Thunderstorm Wind

Gusty thunderstorm winds ripped portions of the roof off a building supply company causing extensive damage to the building, office equipment, and building materials. Nearly all of the office equipment was ruined due to water damage along with the wind damage.

#### Benton County

Van Horne

24

0115CST

0

0

2K

Thunderstorm Wind

Strong thunderstorm winds downed numerous large trees across the town of Van Horne.

#### Iowa County

Millersburg to  
North English

24

0115CST  
0200CST

0

0

0.50K

Thunderstorm Wind

#### Keokuk County

Keswick to  
South English

24

0115CST  
0200CST

0

0

0.50K

Thunderstorm Wind

#### Johnson County

Iowa City

24

0130CST

0

0

4.5K

Thunderstorm Wind

Thunderstorm winds blew a door off of a lumber company and destroyed parts of the lawn and garden center. A freestanding green house housing bedding plants was shredded by the winds

#### Delaware County

4 NW Greeley

24

0145CST

0

0

Thunderstorm Wind (G75)

Gusty thunderstorm winds estimated at 50 mph damaged trees and ripped siding off homes in northern Keokuk and Southern Iowa counties.

#### Delaware County

Delaware

27

0005CST

0

0

Hail (0.75)

#### Buchanan County

Independence

27

2323CST

0

0

Hail (0.75)

#### Delaware County

Manchester

27

2340CST  
2343CST

0

0

Hail (0.75)

#### Delaware County

Delhi

28

0005CST

0

0

Hail (0.75)

#### Dubuque County

Farley

28

0015CST

0

0

Thunderstorm Wind (G52)

#### Jones County

Anamosa

28

0018CST

0

0

Thunderstorm Wind (G61)

#### Johnson County

Iowa City

28

0020CST

0

0

1K

Thunderstorm Wind

Trees were blown down by thunderstorm winds.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b><u>IOWA, East Central and Southeast</u></b>									
Washington County Washington	28	0050CST			0	0	1.5K		Thunderstorm Wind
			Thunderstorm winds toppled trees across the city.						
Clinton County Dewitt	28	0101CST			0	0	3K		Thunderstorm Wind
			Strong winds downed trees and power lines in Dewitt.						
Clinton County Clinton Muni Arpt to Clinton	28	0110CST			0	0			Thunderstorm Wind (G59)
Scott County Princeton	28	0125CST			0	0	1K		Thunderstorm Wind
			Wires were downed by gusty thunderstorm winds.						
Clinton County Clinton	28	0115CST			0	0	1.4K		Thunderstorm Wind
			A strong thunderstorm downed trees and power lines across the city. At one point seven trees were blocking streets. No major damage was reported to homes. However, many residents were without power for more than 12 hours due to the storm.						
Benton County Countywide	29	1253CST 1400CST			0	0	50K		Thunderstorm Wind (G70)
Iowa County Countywide	29	1253CST 1400CST			0	9	800K		Thunderstorm Wind (G70)
Keokuk County Countywide	29	1311CST 1416CST			0	0	100K		Thunderstorm Wind (G65)
Benton County Keystone to 4 SW Keystone	29	1320CST 1321CST			0	0	8K		Thunderstorm Wind (G61)
Johnson County Countywide	29	1330CST 1500CST			0	12	30.7M	14M	Thunderstorm Wind
Washington County Countywide	29	1346CST 1500CST			0	0	21M		Thunderstorm Wind (G83)
Johnson County 1 W Tiffin	29	1405CST			0	0			Funnel Cloud
Linn County Cedar Rapids Arpt	29	1405CST			0	0			Thunderstorm Wind (G63)
Washington County Washington	29	1405CST			0	0			Thunderstorm Wind (G107)
Henry County Countywide	29	1407CST 1550CST			0	2			Thunderstorm Wind (G52)
Louisa County Countywide	29	1407CST 1530CST			1	1	1M		Thunderstorm Wind (G70)
		F30UT							
Muscatine County Countywide	29	1407CST 1530CST			0	10	1.5M		Thunderstorm Wind (G78)
Linn County Cedar Rapids Arpt	29	1409CST			0	0			Thunderstorm Wind (G68)



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<b><u>IOWA, East Central and Southeast</u></b>									
Linn County Cedar Rapids	29	1410CST			0	0			Thunderstorm Wind (G60)
Cedar County West Branch	29	1420CST			0	0			Thunderstorm Wind (G52)
Des Moines County Countywide	29	1422CST 1530CST			0	0			Thunderstorm Wind (G56)
Lee County Countywide	29	1422CST 1530CST			0	0			Thunderstorm Wind (G52)
Clinton County Countywide	29	1426CST 1530CST			0	0			Thunderstorm Wind (G52)
Washington County 1 S Washington to Washington	29	1432CST			0	0			Funnel Cloud
Des Moines County West Burlington	29	1437CST			0	0			Funnel Cloud
Muscatine County West Liberty	29	1438CST			0	0			Thunderstorm Wind (G61)
Lee County Ft Madison	29	1440CST			0	0			Thunderstorm Wind (G70)
Louisa County 1 E Wapello	29	1444CST			0	0			Thunderstorm Wind (G70)
Muscatine County Muscatine	29	1446CST			0	0			Thunderstorm Wind (G70)
Scott County Mc Causland	29	1450CST			0	0			Thunderstorm Wind (G56)
Lee County Wever	29	1718CST 1757CST			0	0			Funnel Cloud

Supercell thunderstorms developed over Central Iowa and rapidly intensified into a long squall line which raced southeast over Eastern Iowa into Central Illinois. Numerous funnel clouds were sighted along the leading edge of the storm and a few non-supercell tornadoes were masked within a large area of damaging winds. Straightline winds from 60 to over 120 mph produced the most serious damage with these storms and 8 counties in Eastern Iowa were declared disaster areas. School-net stations measured winds at 69 mph in Cedar Rapids and 123 mph at Washington. Across the county warning area sustained winds of 70 to 80 mph ripped down trees, power lines, and windmills, and knocked over farm buildings, grain bins and silos.

One barn in Benton County housing a cargo van and thousands of dollars worth of antiques was blown on its side. At another property 40 pine trees standing 30 feet high were snapped off. Widespread crop damage was also reported as the winds snapped off brittle corn stalks. Three large Co-operative grain bins in Belle Plaine (Benton County) and two more at Lost Nation and Clarence (Clinton County) were destroyed, and at Wapello (Louisa County) a half million bushel grain bin was crumpled. Serious damage was also received at 5 other Co-op grain bin sites. Churches in Hills, and Marengo had their steeples ripped off. Near Marengo substantial damage occurred to a large two story home after winds blew the roof off and then the entire outside wall gave way. A horse barn collapsed on 7 adult horses and 5 colts. The four horses that died were valued \$18,000.

In Iowa and Keokuk counties nine persons were treated for weather related injuries. Near Homestead a barn collapsed killing an undetermined number of cattle and at Amana the entire third floor was blown off the Amana Woolen Mill. One rural electric company reported only 5 of 21 substations were left on line after the storm. In Ladora the National Guard helped restore water by supplying generator power. The city of Keota was left without water service for several weeks after strong winds peeled the top off the city's water tower and left the city without pumps to operate the tower. Also, in and around Keota 20 power lines were destroyed and 8 miles of new poles from Sigourney to Keswick were snapped like matchsticks by the winds.

In Washington County storm damages added up to \$21 million after strong thunderstorm winds raced across the county downing trees, power lines, and causing widespread damage. Damage to rural buildings and structures topped \$15 million. Fifteen homes were destroyed, 50 homes sustained major damage and minor damage occurred to 200 others. Ten businesses received major



# National Weather Service

## Storm Data and Unusual Weather Phenomena



June 1998

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Persons Injured	Property	Damage Crops	

### IOWA, East Central and Southeast

damage and another 50 reported minor damage. About 30,000 acres of corn were destroyed in the main path of the storm with widespread agricultural damage reported across the remainder of the county. The lost corn crop was valued at \$5.5 million by U.S. Dept. of Agriculture representatives. Also destroyed were 70 barns, grain bins, and other ag buildings. One utility company replaced over 450 poles and restored over 100 miles of wire downed by the storm.

In rural Johnson county 30 barns were destroyed, crops were devastated, and more than 330 wooden sign posts were snapped by the wind. Across the county 50 homes (most of them mobile homes) were destroyed, another 60 suffered major damage and 170 sustained minor damage. Approximately 100 families sent the night in emergency shelters. In Iowa City winds and rain caused substantial damage at the University of Iowa Campus. An indoor football practice facility was flattened, trees, some more than a century old, were destroyed, and a medical facility was flooded. Two of 3 university radio towers were knocked to the ground. Initial damage estimates for the U of I topped \$1.5 million. High schools in Williamsburg and Lone Tree reported \$5,000 to \$8,000 in damages to baseball and softball fields while \$30,000 in damage was done to school facilities at Oxford. The city of Oxford also had their fire station destroyed, and their city hall and post office damaged. Strong winds derailed a train crossing a railroad bridge at Iowa City leaving nine cars dangling over the Iowa River. Long term power outages were common with over 70,000 homes in the Iowa City area without power overnight.

Campgrounds and parks were closed across Linn, Johnson, and Benton Counties due to wind and water damage. The F.W. Kent Park near Tiffin was closed due to storm damage after thousands of trees in the 1010-acre park were blown down. Trees were blown onto the tennis and horseshoe courts at North Park in Lone Tree. Recreational facilities were also affected by the storm and at least 15 sporting events were cancelled. In Iowa City two men sought refuge in a walk-in freezer at a bowling alley after the roof was ripped off and the I-beams collapsed. The falling beams and heavy rain caused substantial damage to the bowling lanes.

Across Muscatine County Kimberly Park, Wapsi Park and the Oakridge Cemetery all lost several large trees. Some damage was also noted to headstones at the cemetery. About 30 percent of the trees were destroyed at Weed Park in Muscatine, and of those remaining 80 percent were damaged. Many of the trees were 200 year old oaks. A motel suffered hundreds of thousands of dollars in damage when a portion of the roof was torn away and rain inundated the convention center, kitchen, and restaurant areas. Preliminary figures had 65 homes suffering \$150,000 in damage while seven business sustained \$900,000 in losses. The roof at Muscatine High School received \$75,000 worth of damage and rain pooled on the gym floor with a unspecified amount of damage noted. At Muscatine General Hospital several people were treated for cuts and other minor weather related injuries. In the Conesville and Nichols areas some farms lost 90 percent or more of their corn crop. Barns, homes, grain bins, automobiles, trees and powerlines were damaged or destroyed across the county.

One hundred eighty homes in Louisa County were either damaged or destroyed. At least 11 of these were mobile homes which were destroyed. Major trees were down in all sections of the county and the entire county was without power overnight. Numerous buildings throughout the county were damaged to differing degrees. Crop and agricultural damage was extreme especially around Letts. Also at Letts, over 9 tons of food spoiled due to long term power outages. At the Louisa County Fairgrounds the poultry barn was destroyed. A woman was killed near Columbus Junction when she left her car to run for cover and was hit by a falling tree. Another woman was injured by stepping on broken glass.

In Henry County most of the damage consisted of downed trees and a few weather related accidents. A woman in Winfield was injured when the wind broke a window she was attempting to close, and north of Olds the driver of a semi was injured after his truck was blown into a ditch. Across Lee County and in the city of Keokuk fierce winds downed additional trees and lines. Three trees caught fire and several homes had minor damage. Some urban and small stream flooding was also reported in Keokuk. A correctional officer, admitted to Fort Madison Hospital for observation, appeared to be uninjured after lightning struck the observation tower he occupied at the Iowa State Penitentiary. In Des Moines County strong winds flattened thousands of acres of corn, damaged and destroyed buildings, tore down trees and lines, and left 10,500 electric customers without power.

### WISCONSIN, Extreme Southwest

NONE REPORTED.